

<p align="center">7 COURSE E – THE EXAMINATION OF WRITING INSTRUMENTS</p>	<p align="center">Page 1 of 2</p>
<p align="center">Division of Forensic Science</p> <p align="center">QUESTIONED DOCUMENTS TRAINING MANUAL</p>	<p>Amendment Designator:</p> <p>Effective Date: 1-April-2004</p>
<p align="center">7 COURSE E – THE EXAMINATION OF WRITING INSTRUMENTS</p> <p>7.1 Scope</p> <p>7.1.1 Pencils (approximately 24 hours)</p> <p>7.1.2 Ink pens (approximately 52 hours)</p> <p>7.1.3 Examination/PE (approximately 4 hours)</p> <p>7.2 Objective</p> <p>To provide an introduction to the manufacture of writing instruments, and the aspects involved in the examination and comparison of the written product of these instruments on documents.</p> <p>7.3 Methods of Instruction</p> <p>Self-directed, practicals, demonstration, lecture</p> <p>7.4. References</p> <ul style="list-style-type: none"> • Brunelle, R.L. & Reed, R.W., <u>Forensic Examination of Ink and Paper</u>, Charles C. Thomas Publishers, Springfield, IL, 1984, (section containing ink pen terminology) • Conway, James V.P., <u>Evidential Documents</u>, Charles C. Thomas Publishers, Springfield, IL, 1959, pp 157-167 • Harrison, Wilson R., <u>Forgery Detection, A Practical Guide</u>, Frederick A. Praeger, NY, 1964, paragraphs 8-39 through 8-57 • Harrison, Wilson R., <u>Suspect Documents: Their Scientific Examination</u>, Frederick A. Praeger, NY, 1958, pp 24-26 • Hilton, Ordway, <u>Scientific Examination of Questioned Documents</u>, Elsevier North Holland, Inc., NY, 1982, pp 33-38, 42-46 • Hilton, Ordway, <u>Detecting and Deciphering Erased Pencil Writing</u>, Charles C. Thomas Publisher, Springfield, IL, 1991, pp 3-11 • Osborn, Albert S., <u>Questioned Documents</u>, Boyd Printing Company, Albany, NY, Second Edition, 1929, Chapter 11 • Petroski, Henry, <u>The Pencil</u>, Alfred A. Knopf, Inc., 1998, pp 343-345 • Ellen, D., <u>The Scientific Examination of Documents: Methods and Techniques</u>, Taylor and Francis, Ltd., 1997, pp 18-20, 100-101 • Technical articles (as assigned) <p>7.5 Standards</p> <p>7.5.1 The student must be able to explain the principal parts and manufacturing processes for ink pens and pencils.</p> <p>7.5.2 The student must be able to differentiate between the ink lines of different writing instruments on paper, and to determine the writing direction of entries written with a pencil and ball point pen.</p> <p>7.6 Verification</p> <p>7.6.1 Student must score at least 80 on a written test.</p>	

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<p>7.6.2 Student must complete a practical exercise (to the instructor’s satisfaction) demonstrating the ability to differentiate writing instruments by examining the written line, and the ability to determine the direction of writing movement of pencil and ball pen entries.</p> <p>7.6.3 Student will have 80 hours to complete Course E.</p> <p style="text-align: right;">► End</p>	